

Title (en)
NATURAL DRAUGHT COOLING TOWER

Publication
EP 0170868 B1 19881012 (DE)

Application
EP 85108052 A 19850628

Priority
DE 3424468 A 19840703

Abstract (en)
[origin: EP0170868A1] 1. A very high natural-draught cooling tower whose jacket narrows upwardly from a base diameter (DO), to an exit opening, the height (Hn) being greater than the exit diameter (Dn) of the jacket, furniture elements (24, 25) being arranged to some extent in the jacket base (26) and being grouped to some extent around the outside thereof, the inner elements (24) being flowed through in countercurrent, characterized in that the jacket (20) has a ratio (Hn /Dn) of height (Hn) to exit diameter (Dn) of from 3, 5 and 7, the jacket is slender over the entire height (Hn), lateral perforations giving on the atmosphere are present in the jacket above the perforations (24, 25) around the periphery of the jacket (20), a roofing (29) covers the space (28) above the outside furniture elements (25) to above the height of the perforations (21), and the outer furniture elements (24, 25) are also flowed through in countercurrent.

IPC 1-7
E04H 5/12; **F28C 1/02**; **F28F 25/12**

IPC 8 full level
E04H 5/12 (2006.01); **F28C 1/02** (2006.01); **F28C 1/16** (2006.01); **F28F 25/12** (2006.01)

CPC (source: EP)
E04H 5/12 (2013.01); **F28C 1/02** (2013.01); **F28C 1/16** (2013.01); **F28F 25/12** (2013.01); **Y02B 30/70** (2013.01)

Cited by
CN102798296A; CN109282665A

Designated contracting state (EPC)
BE CH DE FR GB LI NL

DOCDB simple family (publication)
DE 3424468 C1 19881110; DE 3565569 D1 19881117; EP 0170868 A1 19860212; EP 0170868 B1 19881012; ZA 854974 B 19860326

DOCDB simple family (application)
DE 3424468 A 19840703; DE 3565569 T 19850628; EP 85108052 A 19850628; ZA 854974 A 19850702